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(71)出願人　000006909
株式会社吉野工業所
東京都江東区大島３丁目２番６号

(72)考案者　早川　茂
東京都江東区大島３の２の６　株式会社吉野工業所内

(72)考案者　土田　治夫
東京都江東区大島３の２の６　株式会社吉野工業所内

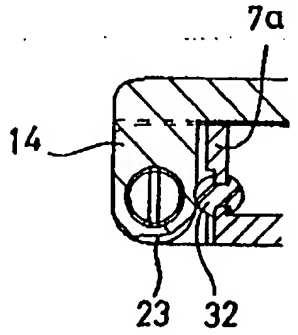
(74)代理人　弁理士　今岡　良夫

(54)【考案の名称】　化粧用コンパクト容器

(57)【要約】　(修正有)

【目的】　片手での容易な開蓋が出来、しかも緩やかな自動開蓋を行えるため収納化粧料が開蓋の衝撃で飛散することのない便利な化粧用コンパクト容器を提案する。

【構成】　蓋体軸着部14の回動軸を中心とし且つ順次後方へ縮径する弯曲面23を軸着部14下面に形成するとともに、容器体周壁７の後壁部7aより突設した摺動突起32を弯曲面23に摺動可能に圧接して構成した。又、開蓋用の押し釦30を容器体２側部に設けた。



【実用新案登録請求の範囲】

【請求項１】後面両側より後方へ蓋体３軸着用の軸受け８を突設してなる皿状容器体２と、上記各軸受け８間に後端部より垂設した横長柱状の軸着部14を回動可能に軸着させるとともに、前端部より垂設したフック24を容器体２前部に突設した係合突起26に乗り越え係合させて容器体２上面を開閉可能に閉塞し、且つ、トーションバネ５により常時開方向へ付勢させた蓋体３とからなる化粧用コンパクト容器に於いて、上記軸着部14の回動軸を中心とし且つ順次後方へ縮径する弯曲面を軸着部14下面に形成するとともに、上記容器体周壁７の後壁部7aより突設した摺動突起32を上記弯曲面23に摺動可能に圧接し、上記容器体２のフック24下部両角部に当接させて内方への移動に伴いフック24を押し上げる一対の押し上げ板29を有するとともに、上記容器体周壁７の両側壁部7b，7cを貫通して突設した一対の押し釦30の押込みにより上記各押し上げ板29が作動する如く機械的に連結してなる開蓋機構を備えてなることを特徴とする化粧用コンパクト容器。

【図面の簡単な説明】

【図１】　本考案容器の一実施例を示す一部切欠き平面図である。

【図２】　同実施例の縦断面図である。

【図３】　同実施例の要部分解斜視図である。

【図４】　同実施例の蓋体の一部切欠き要部斜視図である。

【図５】　同実施例の蓋体の一部切欠き要部斜視図である。

【図６】　同実施例の要部縦断面図である。

【図７】　同実施例のトーションバネ取り付け時の要部横断面図である。

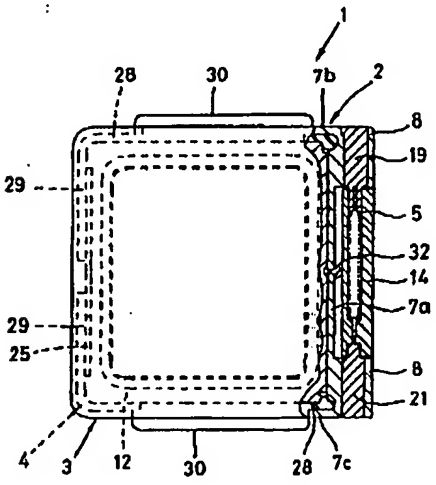
【図８】　同実施例の側面図である。

【図９】　同実施例の正面図である。

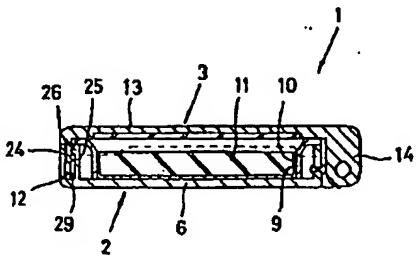
【符号の説明】

２…容器体，３…蓋体，５…トーションバネ，７…容器体周壁，7a…周壁後壁部，7b，7c…周壁側壁部，８…軸受け，14…軸着部，23…弯曲面，24…フック，26…係合突起，29…押し上げ板，30…押し釦，32…摺動突起

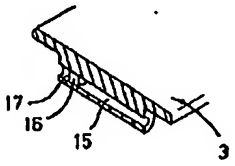
【図１】



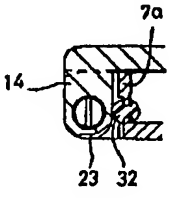
【図２】



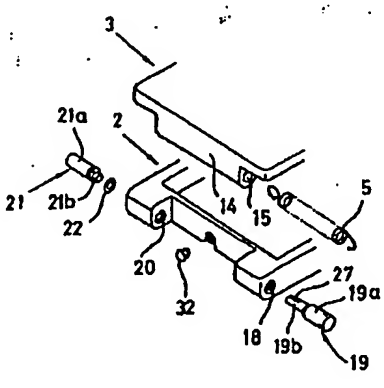
【図４】



【図６】

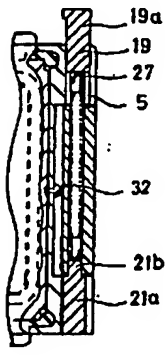


【図３】

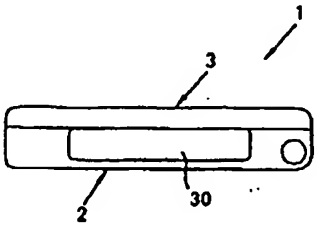


【図５】

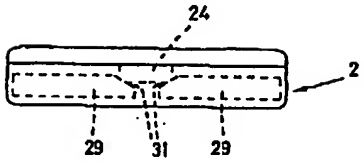
【図７】



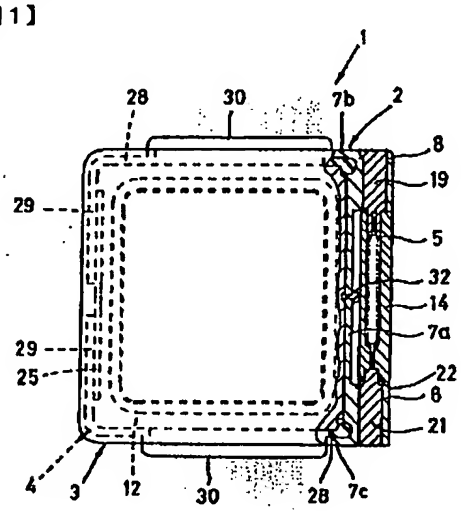
【図８】



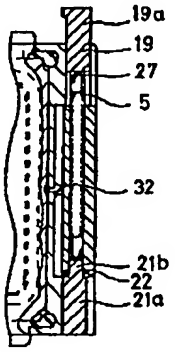
【図９】



【手続補正書】
【提出日】平成５年７月１２日
【手続補正４】
【補正対象書類名】図面
【補正対象項目名】図１
【補正方法】変更
【補正内容】
【図１】



【手続補正５】
【補正対象書類名】図面
【補正対象項目名】図７
【補正方法】変更
【補正内容】
【図７】



【考案の詳細な説明】

【０００１】

【産業上の利用分野】

本考案は化粧用コンパクト容器に関する。

【０００２】

【従来の技術】【考案が解決しようとする課題】

容器本体と該本体上面を開閉する蓋体とを各後部で枢着し、かつ該枢着部にいわゆるトーションバネを装着して、蓋体を開蓋方向へ付勢しておき、又、容器本体前部に付設した係合突条へ蓋体前部から垂下したフックを係合させるとともに、該フックの下端ないしは蓋体前部の下面を押し上げ、そのフックの係合を外して開蓋させる押し釦を容器体前部に枢着させたコンパクト容器が知られている。

【０００３】

上記従来のコンパクト容器に於いて、フックの係合が外れた蓋体は、トーションバネの付勢により次第に速度を増して開蓋するから、予め指等を添えてその速度を緩めないと、蓋体起立状態から更に後方へ倒れる際、蓋体の自重も加わって該蓋体後部が容器本体後部に接したときの衝撃が極めて大となり、すると容器内化粧品の粉が飛散する欠点があった。このためトーションバネを用いないコンパクト容器も多く用いられている。

【０００４】

本考案は上記した従来技術の欠点を解消するもので、トーションバネを用いて自動的に開蓋を行える容器に於いて、開蓋時の衝撃等により化粧品の粉が飛散する等の不都合の無い化粧用コンパクト容器を提案するものである。

【０００５】

【課題を解決するための手段】

本考案容器は上記課題を解決するため、後面両側より後方へ蓋体３軸着用の軸受け８を突設してなる皿状容器体２と、上記各軸受け８間に後端部より垂設した横長柱状の軸着部14を回動可能に軸着させるとともに、前端部より垂設したフック24を容器体２前部に突設した係合突起26に乗り越え係合させて容器体２上面を開閉可能に閉塞し、且つ、トーションバネ５により常時開方向へ付勢させた蓋体

３とからなる化粧用コンパクト容器であって、上記軸着部14の回動軸を中心とし且つ順次後方へ縮径する弯曲面を軸着部14下面に形成するとともに、上記容器体周壁７の後壁部7aより突設した摺動突起32を上記弯曲面23に摺動可能に圧接し、上記容器体２のフック24下部両角部に当接させて内方への移動に伴いフック24を押し上げる一対の押し上げ板29を有するとともに、上記容器体周壁７の両側壁部7b，7cを貫通して突設した一対の押し釦30の押込みにより上記各押し上げ板29が作動する如く機械的に連結してなる開蓋機構を備えて構成した。

【０００６】

【作用】

両押し釦30を押し込むと、それに伴って各押し上げ板29が内方へ移動しその傾斜面がフック24を押し上げるため、フック24と係合突起26との係合が外れる。蓋体３はトーションバネ５により常時開方向へ付勢されているため前部の係合を外すと自動的に開く。この際、摺動突起32が軸着部弯曲面23に圧接して摺動するため、その摩擦力によりトーションバネ５による開方向への付勢力を緩和して緩やかな蓋体３の回動を行う。

【０００７】

又、弯曲面23は回動軸を中心として順次後方へ縮径する如く構成しているため摺動突起32との摩擦力が順次減少し、トーションバネ５の弾発力の減少に起因する蓋体３の中途停止を防止する。

【０００８】

【実施例】

以下、本考案の実施例を図面を参照して説明する。

【０００９】

図１～図10は本考案の一実施例を示し、図中１は化粧用コンパクト容器を示す。該容器１は、容器体２と、蓋体３と、係止解除部材４と、トーションバネ５とを主要部材として構成している。

【００１０】

容器体２は、底壁６周縁部より周壁７を起立させた矩形皿状をなし、周壁７の後壁部7a両側端より後方へ、蓋体３を軸着させるための一対の軸受け８を突設し

ている。又、周壁７内にドラム枠９を固定し、更に該枠９内にドラム10に収納した化粧品11を嵌着固定させている。又、このドラム枠９の周壁と容器体周壁７との間には上記係止解除部材４が収納可能な空隙12を設けている。

【００１１】

蓋体３は、容器体２上面を閉塞する頂壁13の後端部中央下面より横長柱状の軸着部14を上記各軸受け８間に垂下させている。この軸着部14には、その一側面中央部に一端を開口し、他端を他側部近傍まで延設した横円柱状の中空孔15を設けるとともに、この中空孔15最奥に割溝16を連設し、又、他側面には軸孔17を穿設している。そして、容器体２の一方の軸受け８に貫設した大径の軸孔18に回動不能に嵌着させた大径部19a 内側面より中空孔15端部に回動可能に嵌合させた小径部19b を突設してなる軸ピン19により、上記軸着部14一側を軸支し、又、他方の軸受け８に貫設した大径の軸孔20に回動可能に嵌着させた大径部21a 内側面より上記軸孔17に回動不能に嵌合させた小径部21b を突設してなる軸ピン21により軸着部14他端を軸支させている。尚、図中22は軸ピン小径部21b を回動不能に嵌合させるためのＯ－リングを示す。又、軸着部14下面中央部は、その回動軸を中心とし且つ後方に行くに従って順次縮径する弯曲面23を形成している。

【００１２】

又、頂壁13前端部下面より垂設したフック24を上記空隙12の前部中央に立設した係止板25前面に突設した係合突起26と弾性的に乗り越え係合させて閉蓋状態を維持させる如く構成している。

【００１３】

又、トーションバネ５は金属、合成樹脂等により形成されたもので、一端を上記中空孔15内の割溝16に嵌合係止させ、他端を上記軸ピン19の小径部19b に設けた割溝27に嵌合係止させて、閉蓋状態に於いて蓋体３を常時開方向へ付勢させる如く装着している。又、装着に当たっては、図７に示す如く、一端を中空孔15内の割溝16に係止させた後、所定角度に捻じりを加えて装着することが出来る。従って、バネの強度、即ち開蓋方向への付勢力をバネ装着時に選択出来る様構成している。

【００１４】

係止解除部材４は、容器体２の上記空隙12後端部両側に水平方向の回動が可能に軸支した一対の側板部28前端縁より各々内方へ押し上げ板29を延設し、各側板付28外面より突設した矩形板状の押し釦30を各々容器体周壁７の左右両側壁部7b，7cより押し込み可能に突設している。

【００１５】

上記押し上げ板29先端の上部コーナー部分は、各々内側へ下る傾斜面31として構成し、各傾斜面31を上記係合突起25と係合させたフック26下部コーナー部に当接させている。

【００１６】

そして、各押し釦30を押し込みことで各側板部28が軸支部分を中心に内方へ押し込まれ、それに伴って各押し上げ板29が内方へ移動しフック24を上方へ押し上げ、フック24と係合突起26との係合が外れる如く構成している。

【００１７】

又、容器体周壁７の後壁部7a中央下部に、軸着部14の上記弯曲面23に摺動可能に圧接する摺動突起32を突設している。この突起32は、エラストマー等の比較的剛性があり且つ弾力性を有する材質により形成されたもので、上記後壁部7aに穿設した透孔に抜け出し不能に基部を嵌着固定させた半球状をなしている。

【００１８】

尚、上記各部材は特に断りのない限り合成樹脂により形成する。

【００１９】

【考案の効果】

以上説明した如く本考案容器は、蓋体軸着部14の回動軸を中心とし且つ順次後方へ縮径する弯曲面を軸着部14下面に形成するとともに、上記容器体周壁７の後壁部7aより突設した摺動突起32を上記弯曲面23に摺動可能に圧接したので、摺動突起32と弯曲面23との摩擦力によりトーションバネ５による開方向への付勢力を緩和して緩やかな蓋体３の回動を行うことが出来、その結果従来の容器の如く衝撃により容器内化粧品の粉が飛散することはない。

【００２０】

又、摺動突起32と弯曲面23との摩擦力は順次減少するため、蓋体３の回動に伴

い減少するトーションバネ５の弾発力の減少に起因する蓋体の途中停止を防止することができる。

【００２１】

又、容器体２のフック24下部両角部に当接させて内方への移動に伴いフック24を押し上げる一対の押し上げ板29を有するとともに、上記容器体周壁７の両側壁部7b，7cを貫通して突設した一対の押し釦30の押込みにより上記各押し上げ板29が作動する如く機械的に連結してなる開蓋機構を備えているので、片手で容器を持ってそのまま各押し釦30を押して蓋体３を開くことが出来、従来のこの種容器と比較して使い勝手が良い。

【提出日】平成５年７月１２日

【手続補正１】

【補正対象書類名】明細書

【補正対象項目名】００１１

【補正方法】変更

【補正内容】

【００１１】

蓋体３は、容器体２上面を閉塞する頂壁１３の後端部中央下面より横長柱状の軸着部１４を上記各軸受け８間に垂下させている。この軸着部１４には、その一側面中央部に一端を開口し、他端を他側部近傍まで延設した横円柱状の中空孔１５を設けるとともに、この中空孔１５最奥に割溝１６を連設し、又、他側面には軸孔１７を穿設している。そして、容器体２の一方の軸受け８に貫設した大径の軸孔１８に回動不能に嵌着させた大径部１９ａ内側面より中空孔１５端部に回動可能に嵌合させた小径部１９ｂを突設してなる軸ピン１９により、上記軸着部１４一側を軸支し、又、他方の軸受け８に貫設した大径の軸孔２０に回動不能に嵌着固定させた大径部２１ａ内側面より上記軸孔１７に回動可能に嵌合させた小径部２１ｂを突設してなる軸ピン２１により軸着部１４他端を軸支させている。尚、図中２２は成形時のバラツキ等により生じるガタを吸収し、且つ蓋の開きを遅くするＯ－リングを示す。又、軸着部１４下面中央部は、その回動軸を中心とし

且つ後方に行くに従って順次縮径する弯曲面２３を形成している。

【手続補正２】

【補正対象書類名】明細書

【補正対象項目名】００１４

【補正方法】変更

【補正内容】

【００１４】

係止解除部材４は、容器体２の上記空隙１２後端部両側に水平方向の回動が可能に軸支した一対の側板部２８前端縁より各々内方へ押し上げ板２９を延設し、各側板部２８外面より突設した矩形板状の押し釦３０を各々容器体周壁７の左右両側壁部７ｂ，７ｃより押し込み可能に突設している。

【手続補正３】

【補正対象書類名】明細書

【補正対象項目名】００１６

【補正方法】変更

【補正内容】

【００１６】

そして、各押し釦３０を押し込むことで各側板部２８が軸支部分を中心に内方へ押し込まれ、それに伴って各押し上げ板２９が内方へ移動しフック２４を上方へ押し上げ、フック２４と係合突起２６との係合が外れる如く構成している。

JP-06-46614-U

Partial English translation (7 pages)

* NOTICES *

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

CLAIMS

[Utility model registration claim]
[Claim 1] While making the fixing-with-a-spindle section 14 of the shape of an oblong column which installed the bearing 8 for lid 3 fixing with a spindle between the dished bottle object 2 which comes to protrude, and each above-mentioned bearing 8 more back than the back end section fix to revolve , rotatable from rear-face both sides Make the hook 24 installed from the front end section get over and engage with the engagement projection 26 which protruded on bottle object 2 anterior part, and it blockades possible [closing motion of bottle object 2 top face]. And while forming in fixing-with-a-spindle section 14 inferior surface of tongue the curved surface whose diameter is back reduced one by one centering on the rotation shaft of the above-mentioned fixing-with-a-spindle section 14 in the compact container for makeup which consists of a lid 3 made to energize in the normally open direction with a torsion spring 5 The pressure welding of the sliding of the sliding projection 32 which protruded from posterior-wall-of-stomach section 7a of the above-mentioned bottle object peripheral wall 7 is made possible to the above-mentioned curved surface 23. While the pair which is made to contact hook 24 lower both the corners of the above-mentioned bottle object 2, and pushes up hook 24 with migration to the method of inside pushes up and having a plate 29 The compact container for makeup characterized by coming to have the opening device which connects mechanically and becomes so that each above-mentioned push raising plate 29 may operate by pushing of the push button 30 of the pair which penetrated the both-sides walls 7b and 7c of the above-mentioned bottle object peripheral wall 7, and protruded.

[Translation done.]

DETAILED DESCRIPTION

[Detailed explanation of a design]
[0001]
[Industrial Application]
This design is related with the compact container for makeup.
[0002]
[Description of the Prior Art] [Problem(s) to be Solved by the Device] Pivot the body of a container, and the lid which open and close this top face of a body by each posterior part, and this pivoting section is equipped with the so-called torsion spring. While making the hook which hung from lid anterior part to the engagement protruding line which energizes the lid in the opening direction and was attached to the body anterior part of a container engaged The lower limit of this hook or the inferior surface of tongue of lid anterior part is pushed up, and the compact container which made the push button which makes engagement of the hook remove and open pivot in bottle object anterior part is known.
[0003]
There was a fault in which the powder of the cosmetics in a large next door, then a container disperses [an impact when the self-weight of a lid is also added in case it will fall back further from a lid standing-up condition, if a finger etc. is beforehand attached since the lid from which engagement of a hook separated in the compact container of the above-mentioned former gathers a rate gradually by energization of a torsion spring and it opens, and the rate is not loosened, and this lid posterior part touches the body posterior part of a container] extremely. For this reason, many compact containers which do not use a torsion spring are also used.
[0004]
This design cancels the fault of the above-mentioned conventional technique, and proposes the inconvenient compact container for makeup of the powder of cosmetics dispersing by the impact at the time of opening etc. which is not in the container which can open automatically using a torsion spring.
[0005]
[Means for Solving the Problem]
In order that this container may solve the above-mentioned technical problem, while making the fixing-with-a-spindle section 14 of the shape of an oblong column which installed the bearing 8 for lid 3 fixing with a spindle between the dished bottle object 2 which comes to protrude, and each above-mentioned bearing 8 more back than the back end section fix to revolve rotatable from rear-face both sides Make the hook 24 installed from the front end section get over and engage with the engagement projection 26 which protruded on bottle object 2 anterior part, and it blockades possible [closing motion of bottle object 2 top face]. And while being the compact container for makeup which consists of a lid 3 made to energize in the normally open direction with a torsion spring 5 and forming in fixing-with-a-spindle section 14 inferior surface of tongue the curved surface whose diameter is back reduced one by one centering on the rotation shaft of the above-mentioned fixing-with-a-spindle section 14 The pressure welding of the sliding of the sliding projection 32 which protruded from posterior-wall-of-stomach section 7a of the above-mentioned bottle object peripheral wall 7 is made possible to the above-mentioned curved surface 23. While the pair which is made to contact hook 24 lower both the corners of

the above-mentioned bottle object 2, and pushes up hook 24 with migration to the method of inside pushes up and having a plate 29 The opening device which connects mechanically and becomes so that each above-mentioned push raising plate 29 may operate by pushing of the push button 30 of the pair which penetrated the both-sides walls 7b and 7c of the above-mentioned bottle object peripheral wall 7, and protruded was had and constituted.
[0006]
[Function]
If both the push buttons 30 are pushed in, in order that each push raising plate 29 may move to the inner direction in connection with it and the inclined plane may push up hook 24, engagement to hook 24 and the engagement projection 26 separates. Since the lid 3 is energized in the normally open direction with the torsion spring 5, if engagement of anterior part is removed, it will be opened automatically. Under the present circumstances, in order that the sliding projection 32 may carry out a pressure welding to the fixing-with-a-spindle section curved surface 23 and may slide, the energization force to the open direction by the torsion spring 5 is eased according to that frictional force, and the loose lid 3 is rotated.
[0007]
Moreover, since the curved surface 23 is constituted so that the diameter may be back reduced one by one centering on a rotation shaft, frictional force with the sliding projection 32 carries out sequential reduction, and a halfway halt of the lid 3 resulting from reduction of the resiliency of a torsion spring 5 is prevented.
[0008]
[Example]
Hereafter, the example of this design is explained with reference to a drawing.
[0009]
Drawing 1 - drawing 10 show one example of this design, and one in drawing shows the compact container for makeup. This container 1 constitutes the bottle object 2, the lid 3, the stop discharge member 4, and the torsion spring 5 as a primary member.
[0010]
The bottle object 2 protrudes the bearing 8 of the pair for making a lid 3 fix to revolve the rectangle dished which made the peripheral wall 7 stand up from the 6 round edge of bottom walls more back than nothing and the posterior-wall-of-stomach section 7 a car side edge of a peripheral wall 7. Moreover, the drum frame 9 is fixed in a peripheral wall 7, and attachment immobilization of the cosmetics 11 further contained to the drum 10 in this frame 9 is carried out. Moreover, between the peripheral wall of this drum frame 9, and the bottle object peripheral wall 7, the opening 12 which can contain the above-mentioned stop discharge member 4 is formed.
[0011]
The lid 3 is making the oblong column-like fixing-with-a-spindle section 14 hang between each above-mentioned bearing 8 from the back end section central inferior surface of tongue of the top wall 13 which blockades bottle object 2 top face. While forming the hollow hole 15 of the shape of a horizontal cylinder which carried out opening of the end to this fixing-with-a-spindle section 14 in that 1 side-face center section, and installed the other end to near the other flanks, grooves 16 are formed successively at this hollow hole 15 maximum back, and the boss 17 is drilled in other side faces. And major diameter 19a which the boss 18 of the major diameter installed through one bearing 8 of a bottle object 2 was made to attach in rotation impossible Narrow diameter portion 19b made [hollow hole 15 edge] to carry out fitting rotatable from a medial surface By the axial pin 19 which comes to protrude Major diameter 21a which the boss 20 of the major diameter which supported the above-mentioned fixing-with-a-spindle section 14 1 side to revolve, and was installed through the bearing 8 of another side was made to attach rotatable Narrow diameter portion 21b made [rotation impossible] to carry out fitting to the above-mentioned boss 17 from a medial surface The fixing-with-a-spindle section 14 other end is made to support to revolve by the axial pin 21 which comes to protrude. In addition, 22 in drawing is axial pin narrow diameter portion 21b. The O ring for carrying out fitting to rotation impossible is shown. Moreover, a fixing-with-a-spindle section 14 inferior-surface-of-tongue center section forms the curved surface 23 which carries out sequential diameter reduction as it goes back centering on the

rotation shaft.
[0012]
Moreover, overcome elastically the hook 24 installed from the top wall 13 front-end section inferior surface of tongue with the engagement projection 26 which protruded on stop plate 25 front face set up in the center of anterior part of the above-mentioned opening 12, and it is made engaged, and it constitutes so that a lidding condition may be maintained.
[0013]
Moreover, it was formed with a metal, synthetic resin, etc., the groove 16 in the above-mentioned hollow hole 15 is made to carry out the fitting stop of the end, and a torsion spring 5 is narrow diameter portion 19b of the above-mentioned axial pin 19 about the other end. The prepared groove 27 was made to carry out a fitting stop, and it has equipped so that a lid 3 may be made to energize in the normally open direction in a lidding condition. Moreover, after making the groove 16 in the hollow hole 15 stop an end in wearing as shown in drawing 7 , a predetermined include angle can be added and equipped with torsion. Therefore, it constitutes so that the energization force, the reinforcement, i.e., opening direction, of a spring, can be chosen at the time of spring wearing.
[0014]
From the side plate section 28 front-end edge of the pair which rotation horizontal to the above-mentioned opening 12 back-end section both sides of a bottle object 2 supported to revolve possible, the stop discharge member 4 is respectively made the method of inside, installs a plate 29, pushes in respectively the rectangle tabular push button 30 which protruded from each 28 with a side plate external surface from the right-and-left both-sides walls 7b and 7c of the bottle object peripheral wall 7, and protrudes possible.
[0015]
The up corner part at the push raising plate 29 above-mentioned tip is constituted as an inclined plane 31 respectively gone down to the inside, and is made to contact the hook 26 lower corner section which made each inclined plane 31 engage with the above-mentioned engagement projection 25.
[0016]
And each push button 30 is pushed in, each side plate section 28 is stuffed into the inner direction focusing on a support part by things, in connection with it, each push raising plate 29 moves to the inner direction, and hook 24 is pushed up upwards, and it constitutes so that engagement to hook 24 and the engagement projection 26 may separate.
[0017]
Moreover, the sliding projection 32 make the pressure welding of the sliding of possible to the above-mentioned curved surface 23 of the fixing-with-a-spindle section 14 is protruded on the posterior-wall-of-stomach section 7a central lower part of the bottle object peripheral wall 7. This projection 32 was formed of the quality of the material which rigidity has an elastomer etc. comparatively and has resiliency, and is making the shape of a semi-sphere which carried out attachment immobilization of the base to ejection impossible at the bore drilled in the above-mentioned posterior-wall-of-stomach section 7a.
[0018]
In addition, especially, the above-mentioned each part material is formed with synthetic resin, as long as there is no notice.
[0019]
[Effect of the Device]
As explained above, while this container forms in fixing-with-a-spindle section 14 inferior surface of tongue the curved surface whose diameter is back reduced one by one centering on the rotation shaft of the lid fixing-with-a-spindle section 14 Since the pressure welding of the sliding of the sliding projection 32 which protruded from posterior-wall-of-stomach section 7a of the above-mentioned bottle object peripheral wall 7 was made possible to the above-mentioned curved surface 23 The energization force to the open direction by the torsion spring 5 can be eased according to the frictional force of the sliding projection 32 and a curved surface 23, the loose lid 3 can be rotated, and the powder of the cosmetics in a container does not disperse by the impact like the container of the result former.

[0020]
Moreover, since the frictional force of the sliding projection 32 and a curved surface 23 carries out sequential reduction, it can prevent a halt in the middle of the lid resulting from reduction of the resiliency of the torsion spring 5 which decrease in number with rotation of a lid 3.
[0021]
Moreover, while the pair which is made to contact hook 24 lower both the corners of a bottle object 2, and pushes up hook 24 with migration to the method of inside pushes up and having a plate 29 Since it has the opening device which connects mechanically and becomes so that each above-mentioned push raising plate 29 may operate by pushing of the push button 30 of the pair which penetrated the both-sides walls 7b and 7c of the above-mentioned bottle object peripheral wall 7, and protruded Each push button 30 can be pushed as it is with a container single hand, a lid 3 can be opened, and it is user-friendly as compared with this conventional seed container.
[Filing Date] July 12, Heisei 5 [the procedure amendment 1]
[Document to be Amended] Specification [the subject name for amendment] 0011 -- [Method of Amendment] Modification [the contents of amendment]
[0011]
The lid 3 is making the oblong column-like fixing-with-a-spindle section 14 hang between each above-mentioned bearing 8 from the back end section central inferior surface of tongue of the top wall 13 which blockades bottle object 2 top face. While forming the hollow hole 15 of the shape of a horizontal cylinder which carried out opening of the end to this fixing-with-a-spindle section 14 in that 1 side-face center section, and installed the other end to near the other flanks, grooves 16 are formed successively at this hollow hole 15 maximum back, and the boss 17 is drilled in other side faces. Narrow diameter portion 19b which carried out fitting rotatable at the hollow hole 15 edge by and the axial pin 19 which comes to protrude from the major diameter 19a medial surface which the boss 18 of the major diameter installed through one bearing 8 of a bottle object 2 was made to attach in rotation impossible The above-mentioned boss 17 is made to support [to the boss 20 of the major diameter which supported the above-mentioned fixing-with-a-spindle section 14 1 side to revolve, and was installed through the bearing 8 of another side] the fixing-with-a-spindle section 14 other end to revolve by the axial pin 21 which comes to protrude in narrow diameter portion 21b which carried out fitting rotatable from the major diameter 21a medial surface which made rotation impossible carry out attachment immobilization. In addition, 22 in drawing shows the O ring which absorbs the backlash produced by the variation at the time of shaping etc., and makes the aperture of a lid late. Moreover, a fixing-with-a-spindle section 14 inferior-surface-of-tongue center section forms the curved surface 23 which carries out sequential diameter reduction as it goes back centering on the rotation shaft.
[Procedure amendment 2]
[Document to be Amended] Specification [the subject name for amendment] 0014 -- [Method of Amendment] Modification [the contents of amendment]
[0014]
From the side plate section 28 front-end edge of the pair which rotation horizontal to the above-mentioned opening 12 back-end section both sides of a bottle object 2 supported to revolve possible, the stop discharge member 4 is respectively made the method of inside, installs a plate 29, pushes in respectively the rectangle tabular push button 30 which protruded from each side plate section 28 external surface from the right-and-left both-sides walls 7b and 7c of the bottle object peripheral wall 7, and protrudes possible.
[Procedure amendment 3]
[Document to be Amended] Specification [the subject name for amendment] 0016 -- [Method of Amendment] Modification [the contents of amendment]
[0016]
And each side plate section 28 is stuffed into the inner direction focusing on a support part by pushing in each push button 30, in connection with it, each push raising plate 29 moves to the inner direction, and hook 24 is pushed up upwards, and it constitutes so that engagement to hook 24 and the engagement projection 26 may separate.

[Translation done.]

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] one example of this container is shown -- it is a notch top view a part.
[Drawing 2] It is drawing of longitudinal section of this example.
[Drawing 3] It is the important section decomposition perspective view of this example.
[Drawing 4] some lids of this example -- it is a notch important section perspective view.
[Drawing 5] some lids of this example -- it is a notch important section perspective view.
[Drawing 6] It is important section drawing of longitudinal section of this example.
[Drawing 7] It is an important section cross-sectional view at the time of torsion spring installation of this example.
[Drawing 8] It is the side elevation of this example.
[Drawing 9] It is the front view of this example.
[Description of Notations]
2 [-- A bottle object peripheral wall, 7a / -- The peripheral wall posterior-wall-of-stomach section, 7b, 7c / -- The peripheral wall side-attachment-wall section, 8 / -- A bearing, 14 / -- The fixing-with-a-spindle section, 23 / -- A curved surface, 24 / -- A hook, 26 / -- An engagement projection, 29 / -- It pushes up and is a plate and 30. / -- A push button, 32 / -- Sliding projection] -- A bottle object, 3 -- A lid, 5 -- A torsion spring, 7

[Translation done.]